Definition: Linear Regression

Modeling a dependent and multiple independent variables with greater orders of accuracy compared to that of

The best kind of data for linear regression is one that has multiple variables or "features" fitted into a dependent variable.

Linear regression can't be used for all models.

Explore data
Load in dataset
Identify features and target variable of interest in the particular dataset (more or less the columns)
Split data in training and testing
Develop linear regression model (which will approximate best line of fit based on average slopes)

Identify performance of the model with MSE, RMSE, and r-squared value in the end.

Residuals are differences between the actual dataset and the fitting.

Polynomial